Corporate Capability Overview for Pepco Energy Services

Headquartered in Arlington, Virginia, Pepco Energy Services provides comprehensive energy management solutions designed to reduce energy and water related costs for large to mid-sized organizations. We specialize in serving government clients and make extensive use of non-proprietary products to assure the long-term cost-effectiveness and flexibility of each project. For FY02, the company had sales revenue that exceeded \$800 million.

Pepco Energy Services maintains a strong customer focus through offices strategically located in Northern Virginia, Richmond, Tidewater, and Lynchburg. The company is a DOE qualified ESCO and employs over 450 professionals with in-depth expertise in every aspect of supply-side and demand-side energy management. These professionals include Virginia licensed Professional Engineers (PEs) and Certified Energy Managers (CEMs).

Services offered include:

- Energy and water system audits for upgrade project development
- Electrical testing for power quality and reliability assessment
- Engineering for mechanical, electrical, and control system design
- Remote monitoring and call center support
- Project construction management and procurement management
- Project commissioning for all upgraded systems
- Monitoring and verification using DOE approved methods for all system upgrades
- Operations and maintenance for all mechanical, electrical, and control systems
- Training for all mechanical, electrical, and control system upgrades
- Creative project financing tailored to the specific requirements of each client

Pepco Energy Services has implemented major projects in the following areas:

- Mechanical upgrades of HVAC, boilers, chillers, and hot water/chilled water/steam systems
- Electrical upgrades to improve power quality and reliability
- Lighting upgrades of indoor and outdoor systems
- Building control system installation and modification
- Building envelope upgrades of windows, doors, insulation, and roofs
- Water conservation upgrades
- Co-generation for peak shaving or load shedding
- Stand-by power/emergency generation
- Solar photovoltaic systems
- Bio-gas to energy systems

Submittal For (Pro 1) FIRM NAME AND AI Pepco Energy Performance II 1300 N. 17th Arlington. VI TELEPHONE: 703- FEIN/SSN: 52-1	253-1800 FAX: 703-2 927068 T COMPANIES: (If any)	Services, Inc 002-104 / Ser done) 2		rgy Performance SS me: 7 years and years	e Contracting
Submittal For (Pro 1) FIRM NAME AND A Pepco Energy Performance N 1300 N. 17th Arlington. V TELEPHONE: 703- FEIN/SSN: 52-1 3) NAMES OF PAREN	pect Title): RFP No. SRM-2 DDRESS: (office where work will be Services, Inc. Management Group Street, Suite 1600 A 22209 A 2233-1800 FAX: 703-2 927068 T COMPANIES: (if any)	002-104 / Ser done) 2	vices for Ener c) YEARS IN BUSINES a) Under Present na b) List other names a	me: 7 years	e Contracting
1) FIRM NAME AND A Pepco Energy Performance & 1300 N. 17th Arlington. V TELEPHONE: 703- FEIN/SSN: 52-1	DORESS: (office where work will be Services, Inc. Management Group Street, Suite 1600 22209 253-1800 FAX: 703-2927068	done) 2	b) List other names	me: 7 years	e Contracting
Pepco Energy Performance N 1300 N. 17th Arlington. V TELEPHONE: 703- FEIN/SSN: 52-1	Services, Inc. Management Group Street, Suite 1600 A 22209 253-1800 FAX: 703-2 927068 T COMPANIES: (Many)	253-1798	a) Under Present na b) List other names a	me: 7 years	
3) NAMES OF PAREN	T COMPANIES: (if any)		S COECIEV TYPE OF		
•	• ••				
TELEPHONE:	FAX:		Sole Proprietor Partnership Professional Cor X Corporation Virginia Certifical	р.	MBE SBE WBE
				A	
David Weiss	ORE THAN TWO PRINCIPALS TO 6 , Group President, dwe o, Vice President Sale	iss@pepcoene	gy.com, 703-2	53-1800	
FIRM NAM RMF Engineer		ESPONSHBILITY EP Engineerir		PRIME	BEFORE? Yes
7) NUMBER OF PERS	ONNEL IN FIRM AT (1) ABOVE BY	RESPONSIBILITY (L	ist each person only on	ice)	
	Licensed	<u>Unificenced</u>	Company Total	Assigned to Project	
Project Managers	2	11	13	2	
Energy Specialist	• •	4	4	1	
Estimators		1 *	1		
Schedulers		1			
Safety Officers		1	1		
Procurement	1	1 2	3	1	
Accountants	1	6	6	1	
Clerical Staff		0	· ·	-	
Inspectors Haz Mat Specialis	4				
Engineers	5	3	8	8 (available	for project)
Architects					
CADD Operators					
Specifications					-
TOTALS	8	30	36	14	-

ESCO 1	ENERGY SERVICES					
(7/22/2002)	(7/22/2002) SYNOPSIS OF OFFICE RESPONSIBLE FOR CONTRACT					
Submitted By (Fi	m Name) : Pepco Energy S	ervices, Inc	•			
Submittal For (P	roject Title): RFP No. SRM-200)2-104 / Ser	vices for Ene:	rgy Performance	e Contracting	
Pepco Energ	3-253-1800 FAX: 703-25) YEARS IN BUSINES a) Under Present na b) List other names a	me: 7 years		
3) NAMES OF PARE	3) NAMES OF PARENT COMPANIES: (if any)			4) SPECIFY TYPE OF OWNERSHIP:		
Pepco Holdings, Inc.			Sole Proprietor Partnership Professional Corp. X Corporation Virginia Certificate of Authority			
TELEPHONE:	FAX:		Dated:			
David Weis	MORE THAN TWO PRINCIPALS TO CO s, Group President, dwei ip, Vice President Sales	ss@pepcoener	gy.com, 703-2	53-1800		
6) PROPOSED CONSULTANTS OR OTHER OFFICES PROVIDING SERVICES: FIRM NAME FUNCTION / RESPONSIBILITY RMF Engineering Civil, MEP Engineering Yes						
(Attach Firm Data Form ESCO-2 for each consultant or other office) 7) NUMBER OF PERSONNEL IN FIRM AT (1) ABOVE BY RESPONSIBILITY (List each person only once)						
	Licensed	Unlicensed	Company Total	Assigned to Project		
Project Manage		11	13	2		
Energy Special		4	4	1	•	
Estimators		1 *	1			
Schedulers		1				
Safety Officers		1	1			
Procurement		. 1				
Accountants	1	2	3	1		
Clerical Staff		6	6	1		
Inspectors						
Haz Mat Specia	alists 5	3	8	0 (arrailable	for project)	
Engineers	3	3	0	o (avaitable	ior project,	
Architects						
CADD Operato	™					
Specifications					-	
TOTALS	8	30	36	14		
	* cer	tified				

ESCO 2 (7/22/2002)	ENERGY S	ERVICES	COMPANY	- (ESCO)
Submitted By (Firm Name)		CONSULTANT / C		
Submittal For (Project Title			<u>.</u>	
1) CONSULTANT AND ADDRESS (where work will be done) RMF Engineering, Inc. 190 West Ostend Street 2) YEARS IN BUSINESS a) Under Present Name: 6 years				
Baltimore, Maryland 212 TELEPHONE: 1-800-938-5760 FEIN / S\$N; 52-1279953		7		other names and years: is Murphy Finkelstein, Inc. 13 years
3) NAME OF PARENT COMPANY (if any) or MAIN OFFICE; RMF Engineering, Inc. 190 West Ostend Street Baltimore, Maryland 21230 4) SPECIFY TYPE OF OWNERSHIP Sole Proprietor Partnership SBE WBE				
TELEPHONE: 1-800-938-5760				Corporation ELSLA License #
5) NAMES OF NOT MORE THA Name Kenneth E. Pitz Robert D. Smith	, P.E. I, P.E.	Vice Vice	<u>Title</u> President President	<u>Phone Number</u> 1-800-938-5760 1-800-938-5760
6) NUMBER OF PERSONNEL II	V FIRM AT (1) ABOV <u>Licensed</u>	E BY DISCIPLINE: Unlicensed	(List each person of Company Total	only once) Assigned to Project
Project Managers Architects	8 1	3	Company (otal	Assigued to Project
Civil Engineers Structural Engineers	3 2	6 1	10 3	
Mechanical Engineers Electrical Engineers Soils Engineers	20 7 2	30 13	48 19	
Plumbing Engineers Junior Engineers/ Designers Chemical Engineers			1 32 1	
Construction Admin. / Insp. CADD Operators	2	2	7 39	
Specifications Administrative Consultant		25	26	
TOTALS	45	80	187	
7) FUNCTIONS OR SERVICES TO Mechanical, Electrical, Civil, Si 8) HAS SOMEONE IN FIRM ATTE NAME(S): Paul S. Markie	tructural Engineering		PROFESSIONAL 8	ERVICES MANUAL SEMINAR? XY N
9) ON HOW MANY PROJECTS H	AS THE CONSULTA	NT WORKED WITH	THE PROPOSER I	NTHE LAST FIVE YEARS? 25
				in liability with a \$150,000 deductable
The foregoing is a statemen				AMA
Typed name: Robert D. S		Sig	gnature:	
Title: <u>Vice Presid</u>	ent	Da	ite: <u>Decerr</u>	nber 16, 2002

State of Virginia Projects

Addition of 700 Ton Chiller to Newcomb Hall University of Virginia

Fax:4105760061

Gas Pipeline System Study Phase I University of Virginia

Gas Pipeline System Study Phase I University of Virginia

Neurosciences Bullding Feasibility Study University of Virginia

Campus Utility Master Plan - Chilled Water/Steam/Medium Temperature Hot Water/Electric/Storm Water/Natural Gas University of Virginia

Five-Year Term Contract University of Virginia

Multistory Hospital to 15th Street Steam Tunnel and Stormwater Improvements (Big Bore) University of Virginia

Access Road Property Line Fence University of Virginia

Access Road Property Line Fence University of Virginia

Replace Boiler #1 Study University of Virginia

Old Medical School Vivarium Improvements University of Virginia

McCormick Road Chilled Water Distribution Options University of Virginia

Brian Hall Addition University of Virginia

Neurosurgery Renovation/Private Clinics University of Virginia

Big Bore Drainage Design University of Virginia

Low Delta T Study University of Virginia

Hospital Drive - Roadway, Sidewalk, and Pond Replacement University of Virginia

Aquatic & Fitness Center Chiller Plant University of Virginia

East Precinct Hydraulic Model Update University of Virginia

Campus Electrical Distribution Master Plan (34.5kV/13kV) University of Virginia

Davis Farm Vivarium Facility University of Virginia

Closed Cooling Loop System University of Virginia

Studio Arts Building - Chiller Plant Design
University of Virginia

Hospital Addition Design & C/A University of Virginia

Extend Chilled Water Lines to Medical School University of Virginia

New East Precinct Chiller Plant and Thermal Storage System University of Virginia

Fontaine - Value Engineering Revisions University of Virginia Foundation

Emergency Power Revisions University of Virginia Foundation

Setagon - Fitout at Emerging Technology Center University of Virginia Foundation

North Fork / Tenant (Spinner Lab) University of Virginia Foundation

Medical Research Center - Fontaine Research Park University of Virginia Foundation

The Emerging Technology Center at North Fork University of Virginia Foundation

North Fork Second Floor Mail Room University of Virginia Foundation

A/E Services for Utilities Project - Design Coal Fired Stoker Boiler Plant Virginia Polytechnic Institute and State University

Bioinformatics Building - Phase II
Virginia Polytechnic Institute and State University

Bioinformatics Building - Phase 1
Virginia Polytechnic Institute and State University

Tunnel Extension for Academic IV Building George Mason University

Replace Chillers 1 and 2
George Mason University

Analysis and Upgrade of HVAC Systems - Johnson Center George Mason University

Review of Change Order for Housing V Tunnel George Mason University

Alternate Fuel System (not the project)
George Mason University

Alternate Fuel Oil Storage Facility George Mason University

Chilled Water and High Temperature Hot Water Master Plan George Mason University

Seawater Research Lab Virginia Institute of Marine Science

Central Utility Plant - New Academic Campus The College of William & Mary

Boiler Plant Evaluation and Overhaul Design Mary Washington College

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ENERGY SERVICES COMPANY - (ESCO)

(7/22/2002)

PROJECT STAFFING ORGANIZATION

Submitted By (Firm Name):

Pepco Energy Services, Inc.

Submittal For (Project Title): RFP No. SRM-2002-104 / Services for Energy Performance Contracting

1) KEY PERSONNEL DESIGNATED FOR THIS PROJECT: (Include Form ESCO 4 for Each)

Function

Name

Company Title

Project Manager

John Fratangelo

Senior Project Manager

Jim Muncy

Assistant Project Manager

Assistant Project Manager

Project Superintendent

(responsibility of assistant project manager)

Quality Controller

(responsibility shared by senior and assistant project managers)

Cost Estimator

Tom Lang

Cost Estimator

Scheduler

(responisibility of assistant project manager)

Senior Account Executive

Other

Howard Curtis

2) DESCRIBE AVAILABILITY OF STAFF (AND CONSULTANTS) TO WORK ON THIS CONTRACT

Please refer to ESCO FORM 1 and/or Narrative Tab - Vendor Qualifications, Staff Oualifications

3) DESCRIBE PROJECT METHODOLOGY. I.E. HOW WILL THE WORK FUNCTIONS, RESPONSIBILITIES AND COORDINATION BE PERFORMED.

Please see ESCO FORM 6

4) DESCRIBE THE METHOD OF QUALITY ASSURANCE YOU WILL USE FOR THE WORK REQUIRED BY THE CM FOR THIS CONTRACT:

Please see ESCO FORM 6

The foregoing is a statement of fact.

and title:

Typed name David Weiss Group President Signature:

12/18/02 Date:

ESCO 4	ENERGY SERVICES COMPANY - (ESCO)					
(7/22/2002)	PERSONNEL QUALIFICATIONS					
Submitted By (Fi	m Name): Pepco Energy Services, Inc.					
Submittal For (Project Title): RFP No. SRM-2002-104 / Services for Energy Performance Contracting						
BRIEF RESUME OF	KEY INDIVIDUAL PROPOSED FOR THIS PROJECT. PROVIDE ONE FORM FOR EACH PERSON.					
1) NAME AND TITLE	John Fratangelo - Senior Construction Manger					
TYPICAL DUTY OF	ASSIGNMENT: Senior Project Manager					
2) ASSIGNMENT FO	R THIS PROJECT: 20-60%					
Senior Proj	ect Manager, Quality Controller depending on size of the					
PRECENT OF TYPI	CAL 40 HOUR WORK WEEK THIS PERSON WOULD SPEND ON PROJECT: Project PERCENT					
3) EMPLOYEE OF:						
Pepco Energ	y Services, Inc.					
4) YEARS OF EXPE	RIENCE: TOTAL EXPERIENCE 5 WITH THIS FIRM					
	5) EDUCATION: COLLEGE / DEGREE(S) / YEAR / SPECIALIZATION: BSME University of Maryland, Licensced Professional Engineer in Maryland					
6) ACTIVE REGISTR	6) ACTIVE REGISTRATION IF APPLICABLE: Year first registered / State / Discipline or Type					
COMMONWEALTH	OF VIRGINIA REGISTRATION / LICENSE NUMBER:					
ARCHITECT# or ENGINEER#						
Mr. Fratangel management of project managend and electrical water Plant a Manager for I customer relation served also served managed multiresponsible Project & Conturbines and	D/OR QUALIFICATIONS RELEVANT TO THIS CONTRACT to has 21 years experience in negotiation, administration, and claims f prime and subcontracts. As Senior Project Manager, John served as the ger for the privitization of the University of Maryland steam, chilled water, all distribution systems, and managed the construction of an 1800 Ton Chilled at White Flint Mall. Prior to his work at PES, John was a Regional Sales NGK-Locke, Inc., where he was responsible for sales of electrical products and ations to electric utilities in 26 Northeastern and Midwestern states. John as a Project Manager at the University of Maryland at College Park, where he iple utility infrastructure and fast track facilities projects and was for a budget of \$25,000,000. Prior to his work at the University. John was a instruction Manager for Pepco where he managed the construction of six gas capital maintenance projects at large fossil-fueled generating stations. In Fratangelo had seven years experience as a Superintendent with Pepco.					
1 -	a statement of fact.					
Typed name Da						
end tide.	coup President / 1/18/02 Date:					

ESCO 4	ENERGY SERVICES COMPANY - (ESCO)				
(7/22/2002)	PERSONNEL QUALIFICATIONS				
Submitted By (Fi	m Name): Pepco Energy Services, Inc.				
Submittal For (Pr	oject Title): RFP No. SRM-2002-104 / Services for Energy Performance Contracting				
BRIEF RESUME OF	KEY INDIVIDUAL PROPOSED FOR THIS PROJECT. PROVIDE ONE FORM FOR EACH PERSON.				
1) NAME AND TITLE: Jim Muncy - Project Manager					
TYPICAL DUTY OF	ASSIGNMENT: Project Manager				
2) ASSIGNMENT FO					
Assistant P	roject Manger depending on the size of				
PRECENT OF TYP	CAL 40 HOUR WORK WEEK THIS PERSON WOULD SPEND ON PROJECT: the project PERCENT				
3) EMPLOYEE OF:					
Pepco Energ	y Services, Inc.				
4) YEARS OF EXPE	RIENCE: TOTAL EXPERIENCE 16 WITH THIS FIRM				
I *	LEGE / DEGREE(S) / YEAR / SPECIALIZATION: of Maryland				
6) ACTIVE REGISTR	ATION IF APPLICABLE: Year first registered / State / Discipline or Type				
COMMONWEALTH	OF VIRGINIA REGISTRATION / LICENSE NUMBER:				
ARCHITECT#	or ENGINEER #				
As Project Mamanager at the his experience Supervisor for planning, the training, commanagement to projects is and Bottom Accapacities for piping instal Pacific Power Power) and the Power).	anager at PES, Jim's responsibilities include acting as an onsite project to Federal Office Building 10B (Chiller Replacement/Upgrade Project). Prior to be at PES, Jim served in numerous capacities at Pepco. As the General or Maintenance and Planning, he was responsible for generation overhaul edevelopment of the O&M budget, and providing leadership, coordination, astruction/contractor administration and direction for the construction eam at the Morgantown Generating Station. Among his recently completed the Clean Air Act Electrical Installation (\$7M), Coal Pile Relining (\$3.5M), as Drag Chain (\$6M). Prior to his experience at Pepco, Jim served in various or Benjamin F. Shaw Company. The projects consisted of critical and process llation for the Valmy, Nevada 250MW Coal Fired Generating Station (Sierra c), the Louisa, Iowa 500MW Coal Fired Generating Station (Potomac Electric contents).				
1	a statement of fact.				
A	avid Weiss Signature: 12/18/02				

ESCO 4	ENERGY SERVICES COMPANY - (ESCO)				
(7 <i>[</i> 22 <i>[</i> 2002)	PERSONNEL QUALIFICATIONS				
Submitted By (Fi	m Name): Pepco Energy Services, Inc.				
Submittal For (Project Title): RFP No. SRM-2002-104 / Services for Energy Performance Contracting					
BRIEF RESUME OF	KEY INDIVIDUAL PROPOSED FOR THIS PROJECT. PROVIDE ONE FORM FOR EACH PERSON.				
1) NAME AND TITLE	Tom Lang - Cost Estimator				
TYPICAL DUTY OF	ASSIGNMENT: Costing of Energy Conservation Measures				
2) ASSIGNMENT FO	R THIS PROJECT:				
Cost Estima	tor				
PRECENT OF TYPE	CAL 40 HOUR WORK WEEK THIS PERSON WOULD SPEND ON PROJECT: 10-40% PERCENT				
3) EMPLOYEE OF:					
Pepco Energy	y Services, Inc.				
4) YEARS OF EXPE	RIENCE: TOTAL EXPERIENCE 3 WITH THIS FIRM				
Virginia Te	LEGE / DEGREE(S) / YEAR / SPECIALIZATION: ch. / B.S. Civil Engineering / Environmental ATION IF APPLICABLE: Year first registered / State / Discipline or Type				
COMMONWEALTH	OF VIRGINIA REGISTRATION / LICENSE NUMBER:				
ARCHITECT #	or ENGINEER #				
7) EXPERIENCE AN	D / OR QUALIFICATIONS RELEVANT TO THIS CONTRACT				
	ociety of Professional Estimators Professional Estimator No. 1.1 - 00178-0598				
Corcirio	TOTOSSIONAL ESCINACOL NO. 1.1 - 001/6-0396				
	a statement of fact.				
	avid Weiss Signature:				
janu nue. Gi	coup President 1/2/18/02				

ESCO 4	ENERGY SERVICES COMPANY - (ESCO)				
(7/22/2002)	PERSONNEL QUALIFICATIONS				
Submitted By (Firm Name): Pepco Energy Services, Inc.					
Submittal For (Project Title): RFP No. SRM-2002-104 / Services for Energy Performance Contracting					
BRIEF RESUME OF	KEY INDIVIDUAL PROPOSED FOR THIS PROJECT. PROVIDE ONE FORM FOR EACH PERSON.				
1) NAME AND TITLE	Howard Curtis - Account Executive				
TYPICAL DUTY OF	ASSIGNMENT: Account Executive				
2) ASSIGNMENT FO					
Manage PES	Operations (Construction & Maintenance) to Commonwealth's Expectations				
PRECENT OF TYPE	CAL 40 HOUR WORK WEEK THIS PERSON WOULD SPEND ON PROJECT: 20% PERCENT				
3) EMPLOYEE OF:					
Pepco Energ	/ Services, Inc.				
4) YEARS OF EXPE	RIENCE: TOTAL EXPERIENCE 2 WITH THIS FIRM				
5) EDUCATION: COLLEGE / DEGREE(S) / YEAR / SPECIALIZATION: Clemson University BSME, Marymount University MBA					
6) ACTIVE REGISTRATION IF APPLICABLE: Year first registered / State / Discipline or Type					
COMMONWEALTH	OF VIRGINIA REGISTRATION / LICENSE NUMBER:				
ARCHITECT # or ENGINEER #					
Howard is customers' partnershi account te on our Cus impacting Mr. Curtis Controls I related go	The Account Manager for customer. Howard is responsible for managing the account and exceeding expectations. He is experienced establishing os with our customers by aligning the PES project team with our customer's am, and providing clear mutual expectations. Mr. Curtis consultative focus tomers' business, results in Pepco Energy Services' solutions successfully our Customer's business initiatives. Prior to joining Pepco Energy Services, held various Account Management/Business Development positions with Johnson accorporated. During his career, Mr. Curtis has developed over \$4M in energy ods and services. Mr. Curtis holds a B.S. in Mechanical Engineering from iversity, and an MBA in Marketing from Marymount University.				
The foregoing is	a statement of fact.				
Typed name Da	vid Weiss Signature:				
and title: Gr	coup President 12/18/02 Date:				